AMERICAN UNIVERSITY OBSERVATORY

11.

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN : DIRECTOR

HALIM HOURANI : OBSERVER

LIBRARY
JUN 20 1961
WEATHER BUREAU

BEIRUT, LEBANON

Latitude : 33° 54' 22" N.

Longitude : 2h 21m 52s . 7 E.

April - 1961

Jourdy Press — Tel. : 243010

APRIL 1961

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. †...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	64.8	64.6	65.8	65.1	17.1	12.5	15.2	16.5	13.5	15.1
2	65.5	63.4	61.4	63.4	17.2	15.4	15.5	16.0	16.0	15.8
3	59.9	59.4	59.1	59.5	22.2	15.1	18.2	21.0	17.0	18.7
4	57.3	55.0	54.2	55.5	20.6	16.4	17.3	19.5	18.5	18.4
5	56.2	56.5	58.0	56.9	21.7	14.9	18.3	20.9	16.8	18.7
6	58.9	58.8	58.9	58.9	20.0	15.0	17.6	17.8	16.4	17.3
7	59.8	59.5	60.0	59.8	20.6	14.6	17.0	19.3	16.0	17.4
8	58.6	57.9	59.0	58.5	21.0	14.5	17.1	19.5	16.3	17.6
9	60.2	60.2	61.5	60.6	21.5	16.5	18.0	20.6	17.0	18.5
10	62.7	62.0	61.9	62.2	19.3	16.4	17.9	18.0	16.7	17.5
11	58.3	55.3	55.1	56.2	30.0	18.2	21.3	23.8	27.0	24.0
12	57.1	57.5	58.3	57.6	27.0	16.5	19.7	21.0	17.5	19.4
13	57.4	57.6	58.2	57.7	21.4	15.2	17.7	19.4	16.9	18.0
14	58.9	58.7	59.1	58.9	21.3	15.0	18.0	20.0	16.4	18.1
15	60.7	61.1	61.7	61.2	20.2	15.1	18.0	19.3	17.3	18.2
16	62.5	62.8	63.6	63.0	20.7	15.5	18.1	19.5	17.5	18.4
17	65.1	64.8	65.2	65.0	21.3	15.8	18.4	20.6	18.0	19.0
18	65.1	64.7	65.2	65.0	22.8	15.4	19.0	21.7	17.5	19.4
19	64.0	63.3	63.2	63.5	22.2	16.9	19.4	21.7	18.2	19.8
20	61.1	60.3	59.6	60.3	24.1	16.7	20.9	22.0	19.0	20.6
21	58.4	57.1	58.1	57.9	22.5	15.8	19.2	21.0	18.5	19.6
22	58.4	58.4	59.3	58.7	23.0	15.9	19.2	21.4	18.0	19.5
23	59.9	58.8	59.1	59.3	22.7	16.5	19.5	21.5	17.5	19.5
24	59.9	59.4	60.2	59.8	22.6	16.5	19.7	20.8	18.0	19.5
25	59.3	59.1	58.7	59.0	27.2	20.6	20.5	24.6	27.0	24.0
26	57.3	58.6	60.2	58.7	29.6	17.1	24.2	23.0	19.0	22.1
27	61.3	60.1	59.8	60.4	23.0	16.3	19.8	21.0	18.5	19.8
28	58.0	56.2	55.5	56.6	22.3	17.2	20.0	20.4	19.0	19.8
29	58.6	59.9	61.3	59.9	23.1	16.4	20.3	19.5	18.0	19.3
30	63.5	63.4	63.1	63.3	22.0	17.5	20.5	20.3	18.5	19.8
31										
	60.29	59.81	60.14	60.08	22.34	16.05	18.85	20.39	18.05	19.09

Barometer, range 765.8 mm — 754.2 mm
» 71-yrs. average 760.03 mm.
Thermometer, range 30.0 °C — 12.5 °C
« 82-yrs. average 18.5 °C
Rain. total for month 2.93 mm
« 82-yrs. average for month 51.1 mm
« total from Sept. 1st. 832.79 mm
« 82-yrs. average from Sept. 1st. 871.50 mm

APRIL 1961

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapour Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20 30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kmsr	m m
1	9.4	9.5	10.4	9.8	54	50	66	57	7.6	188	0.70
2	10.3	11.5	13.3	11.7	58	63	73	65	6.8	142	
3	15.9	15.0	15.3	15.4	76	60	80	72	8.5	183	
4	14.3	16.4	13.2	14.6	72	72	62	69	8.8	134	
5	14.9	16.5	16.1	15.8	71	67	84	74	9.0	362	
6	15.2	15.9	14.4	15.2	76	78	67	77	2.6	130	
7	15.0	15.0	14.3	14.8	77	67	79	74	7.7	114	
8	15.4	18.7	18.8	17.6	80	81	85	82	5.2	137	0.20
9	15.3	16.3	18.5	16.7	75	68	82	75	9.0	224	
10	15.1	16.5	17.0	16.2	74	76	91	80	1.1	98	
11	12.2	16.1	11.1	13.1	48	54	30	44	1.2	156	
12	17.8	17.8	15.9	17.2	78	72	80	77	7.6	332	
13	15.3	15.9	15.4	15.5	76	70	81	76	5.0	295	0.13
14	15.7	16.6	20.2	17.5	76	71	87	78	9.9	187	1.80
15	15.0	17.0	15.1	15.7	73	71	76	73	11.8	111	
16	15.1	14.0	15.5	14.9	73	61	77	70	12.1	126	
17	16.6	16.5	18.0	17.0	78	69	88	78	11.9	134	
18	15.4	17.8	15.9	16.4	70	70	80	73	12.3	56	
19	15.5	16.6	16.3	16.1	68	64	78	70	12.1	53	
20	17.7	18.7	19.7	18.7	72	71	90	78	11.8	92	
21	17.5	20.5	19.0	19.0	79	82	90	84	11.8	138	
22	18.0	17.7	16.1	17.3	81	70	78	76	9.9	280	
23	13.6	16.8	15.5	15.3	59	65	77	67	5.8	101	
24	16.2	17.2	17.3	16.9	71	70	84	75	11.4	117	
25	17.6	19.7	9.9	15.7	73	64	20	52	10.4	89	
26	18.7	20.6	15.8	18.4	62	73	72	69	8.1	222	
27	15.2	15.8	15.6	15.5	66	63	73	67	11.0	179	
28	15.0	15.5	17.7	16.1	64	64	81	70	4.4	154	
29	14.6	17.3	16.1	16.0	60	76	78	71	8.7	225	0.10
30	16.4	17.0	18.3	17.2	68	71	86	75	2.2	174	
31											
	15.33	16.55	15.86	15.91	70.3	68.4	76.2	71.6	8.19	164.43	0.10

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric date from reading of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M. O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20.30 for the preceding 24 hours.
71 year averages are for period, 1875 - 1943

APRIL 1961

METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast – 10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	7cu-st	4ci	10st	7.0	2nw	1sw	1sw	light	
2	0	8st-ci	9st-ci	5.7	1sw	2ne	4ne	,,	
3	0	2ci	1ci	1.0	1ne	1w	0	,,	
4	1ci	0	3cu-ci	1.3	1ne	3ne	3ne	,,	
5	2ci-st	3cu-st	0	1.7	3sw	4sw	2sw	,,	
6	1st	10st-ci	7st-cu	6.0	2sw	2ne	2sw	light	
7	5cu-st	6cu-st	0	3.7	2sw	3w	1s	,,	
8	10st	8cu-st	8cu-st	8.7	3sw	3e	4ne	,,	
9	2st	0	7cu-st	3.0	3ne	2ne	3ne	,,	
10	10cu-st	10cu-st	8st	9.3	2nw	1n	0	,,	
11	7ci-st	10st	10cu-st	9.0	2e	0	5ne	light	Hot wind
12	10cu-st	3st	0	4.3	4sw	4sw	1sw	,,	H; p.m.
13	10cu-st	7cu-st	9cu-st	8.7	4sw	4w	3sw	,,	
14	9cu-st	2cu	2cu-st	4.3	4sw	4sw	0	,,	
15	0	1cu	0	0.3	2ne	2nw	2nw	,,	
16	0	0	0	0.0	2sw	1nw	2sw	light	H; a.m.
17	0	0	0	0.0	1sw	3ne	1ne	,,	D; a.m. p.m. H: p.m
18	0	0	0	0.0	2ne	3ne	0	,,	D; a.m.
19	0	0	0	0.0	3n	3ne	0	,,	D; a.m.
20	0	10ci	0	3.3	3ne	3ne	2ne	,,	D; a.m, p.m.
21	0	7st	0	2.3	3ne	3ne	0	light	D; a.m. p.m.
22	0	3cu-st	5st	2.7	5sw	2sw	3sw	,,	D; a.m.
23	7st-ci	8st-ci	9st-ci	8.0	2sw	3sw	1sw	,,	
24	0	3ci-st	3st	2.0	3sw	3n	1sw	,,	
25	3ci	10ci	9ci-st	7.3	3ne	3ne	0	,,	
26	10ci	10ci	6ci-st	8.7	2e	3nw	3ne	slight	
27	3cu-st	5st-ci	8cu-st	5.3	3sw	3nw	2nw	,,	
28	10ci	10st	3ci-st	7.7	3sw	2ne	3ne	,,	
29	10cu-st	9cu-st	8cu-st	9.0	4sw	3sw	3sw	,,	
30	0	0	0	0.0	1w	2ne	2ne	,,	
31									
				4.34					

Abbreviation : G = gale ; H = haze ; M = mist ; T = Thunderstorm ; D = dew
W = strong wind ; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	1	8	2	0	0	16	1	2	0	30
14:30	2	12	1	0	0	7	3	4	1	30
20:30	0	10	0	0	1	10	0	2	7	30
Total	3	30	3	0	1	33	4	8	8	90

Number of days with rain 5, fog 0, Thunderstorms 0, gale 0

71-yrs. average number of days with rain during month 6.23